

Date: Fri, 11 Feb 94 04:30:23 PST  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #29  
To: Ham-Ant

Ham-Ant Digest                        Fri, 11 Feb 94                        Volume 94 : Issue 29

Today's Topics:

BALUN FOR 2-M YAGI  
CB and my Stereo HELP!!!!  
Predicting inductor self resonant freq?  
RG8 & PL259

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 9 Feb 94 20:49:59 GMT  
From: unogate!news.service.uci.edu!usc!howland.reston.ans.net!math.ohio-state.edu!  
cs.utexas.edu!swrinde!sgiblab!twg.com!eco.twg.com!psinntp!  
newsserver.pixel.kodak.com!kodak!ornitz@mvb.saic.com  
Subject: BALUN FOR 2-M YAGI  
To: ham-ant@ucsd.edu

In article <2j64ii\$5ip@granny.mdd.comm.mot.com> shane@mdd.comm.mot.com  
(Hugh Shane N7UAX) writes:

>Can anyone suggest a design for matching a 50-ohm coax feed to a six beam,  
>2 meter Yagi. The balun designs I've seen all seem to be restricted to  
>frequencies less than 100MHz. There must be a classic technique, I just  
>can't find it!

The classic VHF balun technique is the quarter-wave sleeve balun. In old days  
these were often called beer-can baluns, so named because steel beer cans  
were soldered together to form the outer sleeve. KLM and a few other companies  
sold these commercially but they are easy to build with copper tubing and pipe.  
Design information can often be found in the older ARRL VHF manuals. 73

Barry WA4VZQ

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| \_ \_ \_ \_ \_ | | Dr. Barry L. Ornitz WA4VZQ  
| | / / | | Eastman Chemical Company  
| | / / | | ECC Research Laboratories, Engineering Research Div.  
| < K O D A K | | Process Instrumentation Research Laboratory  
| | \ \ | | P. O. Box 1972, Building 167B  
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| | | | | INTERNET: ornitz@kodak.com  
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Eastman Chemical Company is no longer a part of Kodak, now being an independent company. Kodak is letting us use her Internet connection until we get our own.

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Date: 9 Feb 1994 16:43:24 GMT

From: ucsnews!sol.ctr.columbia.edu!news.kei.com!ub!dsinc!netnews.upenn.edu!  
jake.esu.edu!marx.esu.edu!nerk@network.ucsd.edu  
Subject: CB and my Stereo HELP!!!  
To: ham-ant@ucsd.edu

My speakers pick the CBs of trucks that go by on my street. Does anyone know how I can stop this?

thanks. please reply directly.

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Commit Random Acts of Kindness & Senseless Beauty

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Isaac Csndl <nerk@esu.edu> PGP Key availble by finger.

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Date: 10 Feb 1994 19:54:54 GMT

From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!hpscit.sc.hp.com!  
rkarlqu@network.ucsd.edu  
Subject: Predicting inductor self resonant freq?  
To: ham-ant@ucsd.edu

In article <CKLw2C.MIr@hpcvsnz.cv.hp.com>, Tom Bruhns <tomb@lsid.hp.com> wrote:

>  
>Anyone out there have any reasonably accurate formulas for  
>\_predicting\_ the self resonant frequency of an air-core  
>(self-supporting) inductor, given the geometry? Yes, I  
>can make measurements, but I want to predict what I will  
>get so I can wind the coil I need, then just measure to  
>verify/tweak.

>  
>73, Tom -- K7ITM

You can start out with the fact that an upper bound on the SRF will be the frequency at which the length of the wire in the coil (not the length of the coil) is a quarter wavelength.

Rick Karlquist N6RK  
rkarlqu@scd.hp.com

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Date: 10 Feb 1994 17:57:37 -0800  
From: nwnexus!tedt@uunet.uu.net  
Subject: RG8 & PL259  
To: ham-ant@ucsd.edu

Recently, I was preparing some RG 8 coaxial cable to solder into PL259. I found that the center core conductor which consisted of several fairly stout wires, would not go through to the tip of the 259.

I was forced to cut off a couple of strands.

Will anything blow up?

Ted

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End of Ham-Ant Digest V94 #29  
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